TYPE-CERTIFICATE DATA SHEET

No. EASA.IM.A.013

for

GALAXY

GULFSTREAM 200

Type Certificate Holder:

GULFSTREAM AEROSPACE LP (GALP)

P.O. Box 1036

7019900 Airport City

Israel

For Models: GALAXY

GULFSTREAM 200

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SECTION 1: GALAXY

I. General

1. Type/ Model/ Variant

GALAXY

2. Performance Class

A

3. Certifying Authority

Civil Aviation Administration of Israel (CAAI)

4. Manufacturer

Israel Aircraft Industries Ltd.
Commercial A/C Group
Ben Gurion International Airport 70100,
Israel

5. State of Design Authority Certification Application Date

29 July 1992

6. EASA Type Certification Application Date

15 December 1993

7. State of Design Authority Type Certificate Date

15 December 1998

8. EASA Type Certification Date

3 September 2004

II. Certification Basis

1. Reference Date for determining the applicable requirements

15 December 1993

SECTION 1: GALAXY - continued

2. State of Design Airworthiness Authority Type Certification Data Sheet No.

A6IL

3. State of Design Airworthiness Authority Certification Basis

14 CFR Part 25, effective Feb.1, 1965, including Amendments 25-1 through 25-82.
14 CFR Part 36, effective Dec.1, 1969, including Amendments 36-1 through 36-21.
14 CFR Part 34, effective Sep.10, 1990, including Amendments 34-1 through 34-2.

Special conditions for operation up to 45000 feet, per FAA S.C. No. 25-ANM-106.
Special conditions for High Intensity Radiated Fields (HIRF), per FAA S.C. No. 25-ANM-112.

Equivalent Safety: FAR 25.1203(a) for Turbine Tail Pipe Fire Detection.
Equivalent Safety: FAR 25.1305 & 25.1501(b) for Auxiliary Power Unit (APU) Instrumentation and Monitoring Requirements.
Equivalent Safety: FAR 25.901, 25.1305, 25.1309, 25.1321, 25.1549 for Digital only display of turbine engine high/ intermediate pressure rotor speed (N2).
Equivalent Safety: All Part 25 Sections, except structural, dealing with stall speeds/related factors for use of 1-g Stall Speed instead of minimum speed in the stall.
Equivalent Safety: Sections: 1.1, 1.2, 25.101, 25.105, 25.109, 25.113, 25.115, 25,735 and 25.1587 for rejected take-off and landing performance criteria.
Equivalent Safety: 25.933 (a)(1)(ii) for Thrust Reversers operation.

Special Conditions for Pilot Compartment View: FAR 25.773(b) per CAAI I.P. F-3.

4. EASA Airworthiness Requirements

JAA Mandatory Requirements
Applicable JAR Requirements at the Reference Date December 15, 1993

JAR-25, Change 13, effective 5.10.89
Amendment 90/1 issued 11.5.90
Amendment 91/1 issued 12.5.91
Amendment 93/1 issued 8.3.93
ICAO Annex 16 Vol 1 - 3rd edition, July 1993 on aircraft noise
ICAO Annex 16 Vol 2 - 2nd edition, July 1993 engine emissions

Elect to Comply Requirements
The following requirements have effectivity dates later than the Reference Date but Gulfstream Aerospace LP has requested to have them included in the JAA Type Certification Basis:

JAR-25, Change 14, effective 27 May 1994

5. Special Conditions

Issued in accordance with Paragraph 16 of JAR-21

SECTION 1: GALAXY - continued

The following Special Conditions as defined by JAA Interim Policies were identified as part of EASA's Type Certification Basis of the Gulfstream Aerospace LP GALAXY Corporate Jet.

Novel or Unusual Design Features

CRI C-04	Interaction of Systems and Structure	

Unconventional Use

CRI D-06	Operation up to 45.000 ft	

General Experience

CRI B-01	Accelerate-stop Distances and Related Performance Matters	JAR 1.1, 1.2 and JAR 25.101, 105, 109, 113, 115, 735, 25X1591
CRI B-02	Performance information for Take-off from Contaminated Runways	JAR 25X1591 and AMJ 25X1591
CRI B-04	Stall and Stall Warning Speeds and Manoeuvre Capability	JAR 25.103, 107, 119,125, 143 and 207
CRI C-02	Yawing Manoeuvring Conditions Special Condition	JAR 25.351(a)
CRI D-04	Worn Brakes Special Condition JAA / G200	JAR 25.735
CRI E-03	Cowling and Nacelle Skin	JAR 25.1193
CRI F-06	Protection from the effects of HIRF	JAR-25.1431
CRI F-07	Lightning Protection - Direct Effects	JAR 25X899, INT/POL/25/3 Issue 1
CRI F-08	Lightning Protection - Indirect Effects	JAR 25.581, 25X89925.954, 25.1309 INT/POL/25/4 Issue 2

6. Exemptions

CRI D-07	Single Place Sidefacing Seat/ Sidefacing Divans	JAR 25.562 / 25.785

7. Deviations

None

8. Equivalent Safety Findings

Equivalent Safety Findings requested and concurred with in accordance with Paragraph 21 of JAR-21.

CRI C-05	Flutter, Deformation and Fail Safe Criteria	JAR 25.629
CRI D-07	Single Place Sidefacing Seat/ Sidefacing Divans	JAR 25.562 / 25.785
CRI D-10	Retracting Mechanism	JAR-25.729 (e)
CRI D-11	Retracting Mechanism, Landing Gear Position Indicator	JAR-25.729 (e)(7)
CRI D-12	Brake Overheat	JAR-25.729 (f)

SECTION 1: GALAXY - continued

CRI D-13	Brakes, Akku Indication	JAR-25.735 (i)
CRI D-14	Cockpit Indication System Press.	JAR-25.1436 (b) (2)
CRI E-01	APU Instrumentation	JAR 25.1305, 25.1501

CAAI/FAA Issue Papers (see CAAI /FAA ESFs)

FAA IP P-1	Turbine Engine Tail Pipe Fire Detection	JAR 25.1203 (a)

9. Environmental Protection

Noise
See TCDSN no. EASA.IM.A.013

Fuel Venting
ICAO Annex 16, Volume II, Part II, Chapter II

10. Operational Suitability Data

Flight Crew Data
Certification Specifications for Operational Suitability Data (OSD) Flight Crew Data – CS-FCD, Initial Issue (dated 31 January 2014)

MMEL
Certification basis as recorded in CRI A-MMEL is JAR-MMEL/MEL Amendment 1, Section 1, Subpart A and B.

SECTION 1: GALAXY - continued

III. Technical Characteristics and Operational Limitations

1. Type Design Definition

Build Standard Definition Document 4AS000/040650, Revision 1, 2004

2. Description

The GALAXY is a corporate long range jet, with a swept high speed wing, conventional empennage and a MTOW of 16.080 kg (35.450 lbs) (with MOD 7166), respectively MTOW of 16.171 kg (35650 lbs) with additional MOD G2-10082. The Maximum Certificated Passenger Seating Configuration is 19 passengers, the Maximum Operating Altitude 45.000 ft. The aircraft is powered by two Pratt & Whitney PW306A engines.

3. Equipment

Master Equipment List Report 4ASO36/980439 (see Note x2)
The equipment required by the applicable requirements shall be installed.

4. Dimensions

Fuselage Length 18.35 meters (60.2 feet)
Fuselage Width 2.29 meters (7.5 feet)
Wingspan 17.71 meters (58.1 feet)
Height 6.53 meters (21.4 feet)

5. Engines

Two PW306A, refer to EASA Data sheet No.: EASA.IM.E.051

Static thrust at sea level: lbs

-	Take-off (5 minutes) (with and without APR)	6040
-	Maximum continuous	6040

Other engine limitations: See the relevant Engine Type Certificate Data Sheet.

6. Auxiliary Power Unit

One Allied Signal APU GTCP36-150 (IAI)

7. Propellers

N/A

8. Fluids (Fuel, Oil, Additives, Hydraulics)

SECTION 1: GALAXY - continued

Fuel: Conforming to Pratt & Whitney company specifications CPW 204, refer to the limitations section of the Airplane Flight Manual.

All Fluids: (Fuel, oil, additives) see manuals for approved fluids.

9. Fluid Capacities

Fuel:
(Density: 0.8 kg/litre, 6.7 lbs per US Gallon)

	LH WING TANK	LH FEED TANK	CENTER TANK	FUSELAGE TANK	FWD TANK	RH FEED TANK	RH WING TANK
Tank Capacity LBS (kg)	2362 (1071)	180 (82)	2711 (1230)	5515 (2501)	1792 (813)	180 (82)	2362 (1071)
Tank Usable Fuel LBS (kg)	2355 (1068)	168 (75)	2666 (1209)	5515 (2502	1789 (811)	165 (75)	2355 (1068)
Arm (Meters)	10.87	11.09	10.11	12.74	8.33	11.09	10.87
Unusable Fuel LBS (kg)	7.1 (3.2)	15.00 (6.8)	45.0 (20.4)	0.0 (0.0)	3.0 (1.4)	15.00 (6.8)	7.1 (3.2)
Arm (Meters)	10.50	11.09	10.28	12.74	8.57	11.09	10.44

Total Usable Fuel (all tanks): 6808 kg (15010 lbs)

Fuel System	lbs	(kg)	ARM (Meters)
Unusable:			
- drainable from tanks drain and lines	70.8	32.1	10.54
- undrainable (trapped in tanks and lines)	21.4	9.7	10.40

Other Fluids: see manuals for quantities.

10. Airspeed Limits

Refer to Airplane Flight Manual.

11. Flight Envelope

Refer to Airplane Flight Manual.

12. Operating Limitations

SECTION 1: GALAXY - continued

12.1 Approved Operations

Refer to Airplane Flight Manual.

12.2 Other Limitations

Refer to Airplane Flight Manual.

13. Maximum Certified Masses

MOD 7166 and MOD G2-10082 incorporated:

RAMP GROSS WEIGHT	16.239 kg (35.800 lbs)
MTOW:	16.171 kg (35.650 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

MOD 7166 incorporated:

RAMP GROSS WEIGHT	16.148 kg (35.600 lbs)
MTOW:	16.080 kg (35.450 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

14. Centre of Gravity Range

Refer Airplane Flight Manual.

15. Datum

Fuselage Station 0, is located 5.633 meters forward of AFT frame of main entrance.

16. Mean Aerodynamic Chord (MAC)

2.447 meters with leading edge at Fuselage Station 10100.

17. Levelling Means

Refer to Airplane Flight Manual.

18. Minimum Flight Crew

Two (2): One Pilot and One Co-pilot

19. Minimum Cabin Crew

SECTION 1: GALAXY - continued

Not required

20. Maximum Seating Capacity

The Aircraft is eligible for carriage of 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis.

21. Baggage/ Cargo Compartment

If Mod 7074 is implemented, the baggage compartment is not eligible for use.

Cargo Compartment loading must be accomplished in accordance with limitations as outlined in IAI Rep. 4AS031/960474/C, titled “Baggage compartment strength Substantiation”

22. Wheels and Tyres

Main Landing Gear (MLG) - Each MLG incorporates twin 14 inch rims and 26X6.6/14PR tyres. TSO-C62d, Pressure – 195psi

Nose Landing Gear (NLG) - The NLG incorporates twin 10 inch rims and 18X4.4/12PR tyres. TSO-C62c, Pressure – 169psi

23. ETOPS

N/A

IV. Operating and Service Instructions

1. Airplane Flight Manual (AFM)

Operating Instructions:
GULFSTREAM 200 Airplane Flight Manual’ marked G200-1001-1

2. Instructions for Continued Airworthiness and Airworthiness Limitations

Service Instructions:
GULFSTREAM 200 ‘Aircraft Maintenance Manual’ marked G200-1001-6
Service Bulletins
Maintenance Operations Letters
Illustrated Parts Catalogue
Wiring Diagram Manual

SECTION 1: GALAXY - continued

3. Weight and Balance Manual (WBM)

Operating Instructions:
GULFSTREAM 200 'Weight & Balance Section VIII of the G200 AFM

V. Operating Suitability Data (OSD)

The OSD elements listed below are approved by the European Aviation Safety Agency as per Commission Regulation (EU) 748/2012,
as amended by Commission Regulation (EU) No 69/2014

Master Minimum Equipment List
The MMEL is defined in EASA-MMEL-AC-G200-OPS-0004 Rev.1 dated 12/10/2015 or later approved revisions

Flight Crew Data
The Flight Crew Data is defined in EASA-OSD-FC-G200-GAC-001, Basic Issue, dated 19 May 2015 or later approved revisions

Cabin Crew Data (select a. to e. as applicable)
N/A

SIM Data
N/A (not mandatory OSD element)

Maintenance Certifying Staff Data
N/A (not mandatory OSD element)

VI. Part 26 Compliance Information

Compliance with point 26.300(a) of Part-26 is demonstrated by complying with points:

26.301 Compliance Plan for (R)TC holders
26.304 Corrosion prevention and control programme
26.305 Validity of Continuing Structural Integrity Program

VII. Notes

Note 1

a. Model GALAXY, CAAI Approved December 16, 1998.

Serial Numbers: S/N 004 through 056.

SECTION 1: GALAXY - continued

The Model GALP GULFSTREAM 200 is identical to the IAI Model GALAXY except for the model designation. The only difference is the model designation (name) used on the data plate and associated manuals (MOD 7231).
GALAXY aircraft S/Ns 004 through 56 may elect to adopt the GULFSTREAM 200 name by compliance with Service Bulletin 200-11-112

b. Israel Aircraft Industries LTD. (IAI) located at Ben Gurion International Airport 70100, Israel, manufactured the Model aircraft listed in this Type Certificate Data Sheet for serial number 004 to 056.

Note 2:

For equipment eligible for installation refer to Report 4AS034/980439, latest revision, titled "Master Equipment List - Gulfstream 200“, and Report 4AS090/011150, latest revision, titled "G200 Type Design Report”.

Note 3:

This aircraft is certificated without a furnished interior, i.e. in a “Green Aircraft” configuration.

The Aircraft is eligible for carriage of up to 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis.

Cabin interior installations must be in accordance with IAI G200 Report “4AS /000/041302 titled “G200 Outfitter Specification for the Green Aircraft Completion Center”.

Note 4:

EASA Certification is restricted to Aircraft incorporating MOD 7166 or MOD 7166 plus MOD G2-10082 [Reference: Build Standard Definition Document 4AS000/040650, Revision 1, 2004].

Note 5:

All required placards listed in the Limitations Section of the approved EASA Airplane Flight Manual must be installed in the appropriate locations in the airplane

SECTION 2: GULFSTREAM 200

I. General

1. Type/ Model/ Variant

GULFSTREAM 200

2. Performance Class

A

3. Certifying Authority

Civil Aviation Administration of Israel (CAAI)

4. Manufacturer

up to S/N 151:
Israel Aircraft Industries Ltd.
Commercial A/C Group
Ben Gurion International Airport 70100,
Israel

S/N 152 and later:
Israel Aerospace Industries Ltd.
Commercial A/C Group
Ben Gurion International Airport 70100,
Israel

5. State of Design Authority Certification Application Date

1 June 1992

6. EASA Type Certification Application Date

15 December 1993

7. State of Design Authority Type Certificate Date

31 December 2001

8. EASA Type Certification Date

3 September 2004

SECTION 2: GULFSTRAM 200 - continued

II. Certification Basis

1. Reference Date for determining the applicable requirements

15 December 1993

2. State of Design Airworthiness Authority Type Certification Data Sheet No.

A6IL

3. State of Design Airworthiness Authority Certification Basis

14 CFR Part 25, effective Feb.1, 1965, including Amendments 25-1 through 25-82.
14 CFR Part 36, effective Dec.1, 1969, including Amendments 36-1 through 36-21.
14 CFR Part 34, effective Sep.10, 1990, including Amendments 34-1 through 34-2.

Special conditions for operation up to 45000 feet, per FAA S.C. No. 25-ANM-106.
Special conditions for High Intensity Radiated Fields (HIRF), per FAA S.C. No. 25-ANM-112.

Equivalent Safety: FAR 25.1203(a) for Turbine Tail Pipe Fire Detection.
Equivalent Safety: FAR 25.1305 & 25.1501(b) for Auxiliary Power Unit (APU) Instrumentation and Monitoring Requirements.
Equivalent Safety: FAR 25.901, 25.1305, 25.1309, 25.1321, 25.1549 for Digital only display of turbine engine high/ intermediate pressure rotor speed (N2).
Equivalent Safety: All Part 25 Sections, except structural, dealing with stall speeds/related factors for use of 1-g Stall Speed instead of minimum speed in the stall.
Equivalent Safety: Sections: 1.1, 1.2, 25.101, 25.105, 25.109, 25.113, 25.115, 25,735 and 25.1587 for rejected take-off and landing performance criteria.
Equivalent Safety: 25.933 (a)(1)(ii) for Thrust Reversers operation.

Special Conditions for Pilot Compartment View: FAR 25.773(b) per CAAI I.P. F-3.

4. EASA Airworthiness Requirements

JAA Mandatory Requirements
Applicable JAR Requirements at the Reference Date December 15, 1993

JAR-25, Change 13, effective 5.10.89
Amendment 90/1 issued 11.5.90
Amendment 91/1 issued 12.5.91
Amendment 93/1 issued 8.3.93
ICAO Annex 16 Vol 1 - 3rd edition, July 1993 on aircraft noise
ICAO Annex 16 Vol 2 - 2nd edition, July 1993 engine emissions

SECTION 2: GULFSTRAM 200 - continued

Elect to Comply Requirements
The following requirements have effectivity dates later than the Reference Date but Gulfstream Aerospace LP has requested to have them included in the JAA Type Certification Basis:

JAR-25, Change 14, effective 27 May 1994

5. Special Conditions

Issued in accordance with Paragraph 16 of JAR-21
The following Special Conditions as defined by JAA Interim Policies were identified as part of EASA's Type Certification Basis of the Gulfstream Aerospace LP GULFSTREAM 200 Corporate Jet.

Novel or Unusual Design Features
CRI C-04 Interaction of Systems and Structure

Unconventional Use
CRI D-06 Operation up to 45.000 ft

General Experience

CRI B-01	Accelerate-stop Distances and Related Performance Matters	JAR 1.1, 1.2 and JAR 25.101, 105, 109, 113, 115, 735, 25X1591
CRI B-02	Performance information for Take-off from Contaminated Runways	JAR 25X1591 and AMJ 25X1591
CRI B-04	Stall and Stall Warning Speeds and Manoeuvre Capability	JAR 25.103, 107, 119,125, 143 and 207
CRI C-02	Yawing Manoeuvring Conditions Special Condition	JAR 25.351(a)
CRI D-04	Worn Brakes Special Condition JAA / G200	JAR 25.735
CRI E-03	Cowling and Nacelle Skin	JAR 25.1193
CRI F-06	Protection from the effects of HIRF	JAR-25.1431
CRI F-07	Lightning Protection - Direct Effects	JAR 25X899, INT/POL/25/3 Issue 1
CRI F-08	Lightning Protection - Indirect Effects	JAR 25.581, 25X89925.954, 25.1309 INT/POL/25/4 Issue 2

6. Exemptions

CRI D-07	Single Place Sidefacing Seat/ Sidefacing Divans	JAR 25.562 / 25.785

7. Deviations
None

SECTION 2: GULFSTRAM 200 - continued

8. Equivalent Safety Findings

Equivalent Safety Findings requested and concurred with in accordance with Paragraph 21 of JAR-21.

CRI C-05	Flutter, Deformation and Fail Safe Criteria	JAR 25.629
CRI D-07	Single Place Sidefacing Seat/ Sidefacing Divans	JAR 25.562 / 25.785
CRI D-10	Retracting Mechanism	JAR-25.729 (e)
CRI D-11	Retracting Mechanism, Landing Gear Position Indicator	JAR-25.729 (e)(7)
CRI D-12	Brake Overheat	JAR-25.729 (f)
CRI D-13	Brakes, Akku Indication	JAR-25.735 (i)
CRI D-14	Cockpit Indication System Press.	JAR-25.1436 (b) (2)
CRI E-01	APU Instrumentation	JAR 25.1305, 25.1501
CAAI/FAA Issue Papers (see CAAI /FAA ESFs)		
FAA IP P-1	Turbine Engine Tail Pipe Fire Detection	JAR 25.1203 (a)

9. Environmental Protection

Noise
See TCDSN no. EASA.IM.A.013

Fuel Venting
ICAO Annex 16, Volume II, Part II, Chapter II

10. Operational Suitability Data

Flight Crew Data
Certification Specifications for Operational Suitability Data (OSD) Flight Crew Data – CS-FCD, Initial Issue (dated 31 January 2014)

MMEL
Certification basis as recorded in CRI A-MMEL is JAR-MMEL/MEL Amendment 1, Section 1, Subpart A and B.

SECTION 2: GULFSTRAM 200 - continued

III. Technical Characteristics and Operational Limitations

1. Type Design Definition

Build Standard Definition Document 4AS000/040650, Revision 1, 2004

2. Description

The GULFSTREAM 200 is a corporate long range jet, with a swept high speed wing, conventional empennage and a MTOW of 16.080 kg (35.450 lbs) (with MOD 7166), respectively MTOW of 16.171 kg (35650 lbs) with additional MOD G2-10082. The Maximum Certificated Passenger Seating Configuration is 19 passengers, the Maximum Operating Altitude 45.000 ft. The aircraft is powered by two Pratt & Whitney PW306A engines.

3. Equipment

Master Equipment List Report 4ASO36/980439 (see Note x2)
The equipment required by the applicable requirements shall be installed.

4. Dimensions

Fuselage Length 18.35 meters (60.2 feet)
Fuselage Width 2.29 meters (7.5 feet)
Wingspan 17.71 meters (58.1 feet)
Height 6.53 meters (21.4 feet)

5. Engines

Two PW306A, refer to EASA Data sheet No.: EASA.IM.E.051

Static thrust at sea level: lbs

-	Take-off (5 minutes) (with and without APR)	6040
-	Maximum continuous	6040

Other engine limitations: See the relevant Engine Type Certificate Data Sheet.

6. Auxiliary Power Unit

One Allied Signal APU GTCP36-150 (IAI)

7. Propellers

N/A

8. Fluids (Fuel, Oil, Additives, Hydraulics)

SECTION 2: GULFSTRAM 200 - continued

Fuel: Conforming to Pratt & Whitney company specifications CPW 204, refer to the limitations section of the Airplane Flight Manual.

All Fluids: (Fuel, oil, additives) see manuals for approved fluids.

9. Fluid Capacities

Fuel:
(Density: 0.8 kg/litre, 6.7 lbs per US Gallon)

	LH WING TANK	LH FEED TANK	CENTER TANK	FUSELAGE TANK	FWD TANK	RH FEED TANK	RH WING TANK
Tank Capacity LBS (kg)	2362 (1071)	180 (82)	2711 (1230)	5515 (2501)	1792 (813)	180 (82)	2362 (1071)
Tank Usable Fuel LBS (kg)	2355 (1068)	168 (75)	2666 (1209)	5515 (2502	1789 (811)	165 (75)	2355 (1068)
Arm (Meters)	10.87	11.09	10.11	12.74	8.33	11.09	10.87
Unusable Fuel LBS (kg)	7.1 (3.2)	15.00 (6.8)	45.0 (20.4)	0.0 (0.0)	3.0 (1.4)	15.00 (6.8)	7.1 (3.2)
Arm (Meters)	10.50	11.09	10.28	12.74	8.57	11.09	10.44

Total Usable Fuel (all tanks): 6808 kg (15010 lbs)

Fuel System	lbs	(kg)	ARM (Meters)
Unusable:			
- drainable from tanks drain and lines	70.8	32.1	10.54
- undrainable (trapped in tanks and lines)	21.4	9.7	10.40

Other Fluids: see manuals for quantities.

10. Airspeed Limits

Refer to Airplane Flight Manual.

11. Flight Envelope

Refer to Airplane Flight Manual.

12. Operating Limitations

12.1 Approved Operations

SECTION 2: GULFSTRAM 200 - continued

Refer to Airplane Flight Manual.

12.2 Other Limitations

Refer to Airplane Flight Manual.

13. Maximum Certified Masses

MOD 7166 and MOD G2-10082 incorporated:

RAMP GROSS WEIGHT	16.239 kg (35.800 lbs)
MTOW:	16.171 kg (35.650 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

MOD 7166 incorporated:

RAMP GROSS WEIGHT	16.148 kg (35.600 lbs)
MTOW:	16.080 kg (35.450 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

14. Centre of Gravity Range

Refer Airplane Flight Manual.

15. Datum

Fuselage Station 0, is located 5.633 meters forward of AFT frame of main entrance.

16. Mean Aerodynamic Chord (MAC)

2.447 meters with leading edge at Fuselage Station 10100.

17. Levelling Means

Refer to Airplane Flight Manual.

18. Minimum Flight Crew

Two (2): One Pilot and One Co-pilot

19. Minimum Cabin Crew

SECTION 2: GULFSTRAM 200 - continued

Not required

20. Maximum Seating Capacity

The Aircraft is eligible for carriage of 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis.

21. Baggage/ Cargo Compartment

If Mod 7074 is implemented, the baggage compartment is not eligible for use.

Cargo Compartment loading must be accomplished in accordance with limitations as outlined in IAI Rep. 4AS031/960474/C, titled “Baggage compartment strength Substantiation”

22. Wheels and Tyres

Main Landing Gear (MLG) - Each MLG incorporates twin 14 inch rims and 26X6.6/14PR tyres. TSO-C62d, Pressure – 195psi

Nose Landing Gear (NLG) - The NLG incorporates twin 10 inch rims and 18X4.4/12PR tyres. TSO-C62c, Pressure – 169psi.

23. ETOPS

N/A

IV. Operating and Service Instructions

1. Airplane Flight Manual (AFM)

Operating Instructions:
GULFSTREAM 200 Airplane Flight Manual’ marked G200-1001-1

2. Instructions for Continued Airworthiness and Airworthiness Limitations

Service Instructions:
GULFSTREAM 200 ‘Aircraft Maintenance Manual’ marked G200-1001-6
Service Bulletins
Maintenance Operations Letters
Illustrated Parts Catalogue
Wiring Diagram Manual

SECTION 2: GULFSTRAM 200 - continued

3. Weight and Balance Manual (WBM)

Operating Instructions:
GULFSTREAM 200 'Weight & Balance Section VIII of the G200 AFM

V. Operating Suitability Data (OSD)

The OSD elements listed below are approved by the European Aviation Safety Agency as per Commission Regulation (EU) 748/2012,
as amended by Commission Regulation (EU) No 69/2014

Master Minimum Equipment List
The MMEL is defined in EASA-MMEL-AC-G200-OPS-0004 Rev.1 dated 12/10/2015 or later approved revisions

Flight Crew Data
The Flight Crew Data is defined in EASA-OSD-FC-G200-GAC-001, Basic Issue, dated 19 May 2015 or later approved revisions

Cabin Crew Data (select a. to e. as applicable)
N/A

SIM Data
N/A (not mandatory OSD element)

Maintenance Certifying Staff Data
N/A (not mandatory OSD element)

VI. Part 26 Compliance Information

Compliance with point 26.300(a) of Part-26 (REGULATION (EU) 2020/1159 dated 5 August 2020) is demonstrated by complying with points:

26.301 Compliance Plan for (R)TC holders
26.304 Corrosion prevention and control programme
26.305 Validity of Continuing Structural Integrity Program

VII. Notes

Note 1

The "GULFSTREAM 200" airplane, as defined in this document, has gone through a name change in the past. The model designation compiles of the following two definitions:

SECTION 2: GULFSTRAM 200 - continued

a. Model GALAXY, CAAI Approved December 16, 1998.

Serial Numbers: S/N 004 through 056.

b. Model GULFSTREAM 200, CAAI Approved January 16, 2002.

Serial Numbers: S/N 057 and Subsequent.

The Model GALP GULFSTREAM 200 is identical to the IAI Model GALAXY except for the model designation. The only difference is the model designation (name) used on the data plate and associated manuals (MOD 7231).
GALAXY aircraft S/Ns 004 through 56 may elect to adopt the GULFSTREAM 200 name by compliance with Service Bulletin 200-11-112

c. Israel Aircraft Industries LTD. (IAI) located at Ben Gurion International Airport 70100, Israel, manufactured the Model aircraft listed in this Type Certificate Data Sheet for serial number 004 to 056.

d. Israel Aircraft Industries LTD. (IAI) located at Ben Gurion International Airport 70100, Israel, is licensed by Gulfstream Aerospace LP to manufacture and obtain Airworthiness Certificates for the Model aircraft listed in this Type Certificate Data Sheet for serial number 057 to 151.

e. Israel Aerospace Industries LTD. (IAI) located at Ben Gurion International Airport 70100, Israel, is licensed by Gulfstream Aerospace LP to manufacture and obtain Airworthiness Certificates for the Model aircraft listed in this Type Certificate Data Sheet for serial number 152 and subsequent.

Note 2:

For equipment eligible for installation refer to Report 4AS034/980439, latest revision, titled "Master Equipment List - Gulfstream 200“, and Report 4AS090/011150, latest revision, titled "G200 Type Design Report”.

Note 3:

This aircraft is certificated without a furnished interior, i.e. in a “Green Aircraft” configuration.

The Aircraft is eligible for carriage of up to 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis.

Cabin interior installations must be in accordance with IAI G200 Report “4AS /000/041302 titled “G200 Outfitter Specification for the Green Aircraft Completion Center”.

Note 4:

EASA Certification is restricted to Aircraft incorporating MOD 7166 or MOD 7166 plus MOD G2-10082 [Reference: Build Standard Definition Document 4AS000/040650, Revision 1, 2004].

Note 5:

SECTION 2: GULFSTRAM 200 - continued

All required placards listed in the Limitations Section of the approved EASA Airplane Flight Manual must be installed in the appropriate locations in the airplane.

SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

APU: Auxiliary Power Unit
CAAI: Civil Aviation Authority of Israel
CRI: Certification Review Item
EASA: European Union Aviation Safety Agency
ESF: Equivalent Safety Finding
JAR: Joint Aviation Requirement
INT/POL: JAA Interim Policy
N/A: Not applicable
SB: Service Bulletin
SC: Special Condition
S/N: Serial Number

II. Type Certificate Holder Record

GULFSTREAM AEROSPACE LP (GALP)
P.O. Box 1036
Airport City
7019900, Israel

III. Change Record

Issue	Date	Changes	TC issue
Issue 01	03 September 2004	Initial Issue	Initial Issue, 03 September 2004
Issue 02	10 December 2015	• address change (list of affected pages updated) • correction of name to Gulfstream 200/GALAXY • name change of manufacturer added • added additional MTOW option • added reference to EASA TCDS engines • correction of applicable maintenance instructions • correction of applicable operating and service instructions • revision of applicable S/Ns for model designation • OSD update	
Issue 03	03 July 2017	• correction of manufacturer information • correction of MMEL date	
Issue 04	04 May 2023	• correction of MTOW in section 2, chapter III.1 • Uniform “GULFSTREAM 200 / GALAXY” spelling	

		• MMEL document number corrected	
Issue 5	26 May 2025	• New EASA TCDS layout and formatting, splitted into two sections for “GULFSTREAM 200” and “GALAXY” • Minor editorial changes (typos) • VI. Part-26 Compliance Information added	

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